

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/511,415B
Source: pg
Date Processed by STIC: 7/11/06

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PCT

RAW SEQUENCE LISTING

DATE: 07/11/2006

PATENT APPLICATION: US/10/511,415B

TIME: 11:00:55

Input Set : F:\20040873.ORI-2.txt

Output Set: N:\CRF4\07112006\J511415B.raw

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3 <110> APPLICANT: Imperial College Innovations Limited
5 <120> TITLE OF INVENTION: Methods
7 <130> FILE REFERENCE: 20040873.ORI
9 <140> CURRENT APPLICATION NUMBER: US/10/511,415B
10 <141> CURRENT FILING DATE: 2004-10-14
12 <150> PRIOR APPLICATION NUMBER: PCT/GB03/01625
13 <151> PRIOR FILING DATE: 2003-04-15
15 <160> NUMBER OF SEQ ID NOS: 30
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 400
21 <212> TYPE: PRT
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
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27 1 5 10 15
30 Glu Asp Tyr Leu Leu Pro Asp Thr Cys Phe Arg Met Gln Ile Asp His
31 20 25 30
34 Ala Ile Asp Ile Ile Cys Gly Phe Leu Lys Glu Arg Cys Phe Arg Gly
35 35 40 45
38 Ser Ser Tyr Pro Val Cys Val Ser Lys Val Val Lys Gly Gly Ser Ser
39 50 55 60
42 Gly Lys Gly Thr Thr Leu Arg Gly Arg Ser Asp Ala Asp Leu Val Val
43 65 70 75 80
46 Phe Leu Ser Pro Leu Thr Thr Phe Gln Asp Gln Leu Asn Arg Arg Gly
47 85 90 95
50 Glu Phe Ile Gln Glu Ile Arg Arg Gln Leu Glu Ala Cys Gln Arg Glu
51 100 105 110
54 Arg Ala Leu Ser Val Lys Phe Glu Val Gln Ala Pro Arg Trp Gly Asn
55 115 120 125
58 Pro Arg Ala Leu Ser Phe Val Leu Ser Ser Leu Gln Leu Gly Glu Gly
59 130 135 140
62 Val Glu Phe Asp Val Leu Pro Ala Phe Asp Ala Leu Gly Gln Leu Thr
63 145 150 155 160
66 Gly Ser Tyr Lys Pro Asn Pro Gln Ile Tyr Val Lys Leu Ile Glu Glu
67 165 170 175
70 Cys Thr Asp Leu Gln Lys Glu Gly Glu Phe Ser Thr Cys Phe Thr Glu
71 180 185 190
74 Leu Gln Arg Asp Phe Leu Lys Gln Arg Pro Thr Lys Leu Lys Ser Leu
75 195 200 205
78 Ile Arg Leu Val Lys His Trp Tyr Gln Asn Cys Lys Lys Lys Leu Gly
79 210 215 220
82 Lys Leu Pro Pro Gln Tyr Ala Leu Glu Leu Leu Thr Val Tyr Ala Trp

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| | | | | | | | | | | | | | | | | |
|-----|------------------------------|------------|------------|------------|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 83 | 225 | | | | 230 | | | | | 235 | | | | 240 | | |
| 86 | Glu | Arg | Gly | Ser | Met | Lys | Thr | His | Phe | Asn | Thr | Ala | Gln | Gly | Phe | Arg |
| 87 | | | | | 245 | | | | | 250 | | | | 255 | | |
| 90 | Thr | Val | Leu | Glu | Leu | Val | Ile | Asn | Tyr | Gln | Gln | Leu | Cys | Ile | Tyr | Trp |
| 91 | | | | 260 | | | | | 265 | | | | 270 | | | |
| 94 | Thr | Lys | Tyr | Tyr | Asp | Phe | Lys | Asn | Pro | Ile | Ile | Glu | Lys | Tyr | Leu | Arg |
| 95 | | | 275 | | | | | 280 | | | | 285 | | | | |
| 98 | Arg | Gln | Leu | Thr | Lys | Pro | Arg | Pro | Val | Ile | Leu | Asp | Pro | Ala | Asp | Pro |
| 99 | | 290 | | | | 295 | | | | | 300 | | | | | |
| 102 | Thr | Gly | Asn | Leu | Gly | Gly | Gly | Asp | Pro | Lys | Gly | Trp | Arg | Gln | Leu | Ala |
| 103 | 305 | | | | | 310 | | | | | 315 | | | | 320 | |
| 106 | Gln | Glu | Ala | Glu | Ala | Trp | Leu | Asn | Tyr | Pro | Cys | Phe | Lys | Asn | Trp | Asp |
| 107 | | | | 325 | | | | | | 330 | | | | 335 | | |
| 110 | Gly | Ser | Pro | Val | Ser | Ser | Trp | Ile | Leu | Leu | Ala | Glu | Ser | Asn | Ser | Thr |
| 111 | | | 340 | | | | | 345 | | | | 350 | | | | |
| 114 | Asp | Asp | Glu | Thr | Asp | Asp | Pro | Arg | Thr | Tyr | Gln | Lys | Tyr | Gly | Tyr | Ile |
| 115 | | 355 | | | | 360 | | | | | 365 | | | | | |
| 118 | Gly | Thr | His | Glu | Tyr | Pro | His | Phe | Ser | His | Arg | Pro | Ser | Thr | Leu | Gln |
| 119 | | 370 | | | | 375 | | | | | 380 | | | | | |
| 122 | Ala | Ala | Ser | Thr | Pro | Gln | Ala | Glu | Glu | Asp | Trp | Thr | Cys | Thr | Ile | Leu |
| 123 | 385 | | | | | 390 | | | | 395 | | | | | 400 | |
| 126 | <210> SEQ ID NO: 2 | | | | | | | | | | | | | | | |
| 127 | <211> LENGTH: 1590 | | | | | | | | | | | | | | | |
| 128 | <212> TYPE: DNA | | | | | | | | | | | | | | | |
| 129 | <213> ORGANISM: Homo sapiens | | | | | | | | | | | | | | | |
| 131 | <400> SEQUENCE: 2 | | | | | | | | | | | | | | | |
| 132 | gaggcagttc | tgttgccact | ctctctcctg | tcaatgatgg | atctcagaaa | taccccagcc | | | | | | | | | | 60 |
| 134 | aaatctctgg | acaagttcat | tgaagactat | ctcttgccag | acacgtgttt | ccgcatgcaa | | | | | | | | | | 120 |
| 136 | atcgaccatg | ccattgacat | catctgtggg | ttcctgaagg | aaaggtgctt | ccgaggtagc | | | | | | | | | | 180 |
| 138 | tccctaccctg | tgtgtgtgtc | caaggtggta | aaggggtggc | cctcaggcaa | gggcaccacc | | | | | | | | | | 240 |
| 140 | ctcagaggcc | gatctgacgc | tgacctgggt | gtcttctcca | gtcctctcac | cacttttcag | | | | | | | | | | 300 |
| 142 | gatcagttaa | atcgccgggg | agagttcatc | caggaaatta | ggagacagct | ggaagcctgt | | | | | | | | | | 360 |
| 144 | caaagagaga | gagcactttc | cgtgaagttt | gaggtccagg | ctccacgctg | gggcaacccc | | | | | | | | | | 420 |
| 146 | cgtgcgctca | gcttcgtact | gagttcgctc | cagctcgggg | aggggggtga | gttcgatgtg | | | | | | | | | | 480 |
| 148 | ctgcctgcct | ttgatgccct | gggtcagttg | actggcagct | ataaacctaa | cccccaaata | | | | | | | | | | 540 |
| 150 | tatgtcaagc | tcacagagga | gtgcaccgac | ctgcagaaag | agggcgagtt | ctccacctgc | | | | | | | | | | 600 |
| 152 | ttcacagaa | tacagagaga | cttctgaag | cagcgcccca | ccaagctcaa | gagcctcatc | | | | | | | | | | 660 |
| 154 | cgctagtca | agcactggta | ccaaaattgt | aagaagaagc | ttgggaagct | gccacctcag | | | | | | | | | | 720 |
| 156 | tatgccctgg | agctcctgac | ggtctatgct | tgggagcgag | ggagcatgaa | aacacatttc | | | | | | | | | | 780 |
| 158 | aacacagccc | aaggatttcg | gacggctctg | gaattagtca | taaactacca | gcaactctgc | | | | | | | | | | 840 |
| 160 | atctactgga | caaagtatta | tgactttaaa | aaccccat | ttgaaaagta | cctgagaagg | | | | | | | | | | 900 |
| 162 | cagctcacga | aacccaggcc | tgtgatcctg | gacccggcgg | accctacagg | aaacttgggt | | | | | | | | | | 960 |
| 164 | ggtggagacc | caaagggttg | gaggcagctg | gcacaagagg | ctgaggcctg | gctgaattac | | | | | | | | | | 1020 |
| 166 | ccatgcttta | agaattggga | tgggtcccca | gtgagctcct | ggattctgct | ggctgaaagc | | | | | | | | | | 1080 |
| 168 | aacagtacag | acgatgagac | cgacgatccc | aggacgtatc | agaaatatgg | ttacattgga | | | | | | | | | | 1140 |
| 170 | acacatgagt | accctcattt | ctctcataga | cccagcacgc | tccaggcagc | atccacccca | | | | | | | | | | 1200 |
| 172 | caggcagaag | aggactggac | ctgcaccatc | ctctgaatgc | cagtgcattc | tgggggaaag | | | | | | | | | | 1260 |
| 174 | ggctccagtg | ttatctggac | cagttccttc | attttcaggt | gggactcttg | atccagagaa | | | | | | | | | | 1320 |
| 176 | gacaaagctc | ctcagtgagc | tggtgtataa | tccaagacag | aacccaagtc | tcctgactcc | | | | | | | | | | 1380 |

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178 tggccttcta tgccctctat cctatcatag ataacattct ccacagcctc acttcattcc 1440
180 acctattctc tgaaaatatt ccctgagaga gaacagagag atttagataa gagaatgaaa 1500
182 ttccagcctt gactttcttc tgtgcacctg atgggagggt aatgtcta atgtattatcaa 1560
184 taacaataaa aataaagcaa ataccaaaaa 1590
187 <210> SEQ ID NO: 3
188 <211> LENGTH: 20
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial
192 <220> FEATURE:
193 <223> OTHER INFORMATION: PCR primer based on Homo sapiens OAS1.
195 <400> SEQUENCE: 3
196 ctcactgagg agctttgtct 20
199 <210> SEQ ID NO: 4
200 <211> LENGTH: 18
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial
204 <220> FEATURE:
205 <223> OTHER INFORMATION: PCR primer based on Homo sapiens OAS1.
207 <400> SEQUENCE: 4
208 cactgaggag ctttgtcc 18
211 <210> SEQ ID NO: 5
212 <211> LENGTH: 21
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial
216 <220> FEATURE:
217 <223> OTHER INFORMATION: PCR primer based on Homo sapiens OAS1.
219 <400> SEQUENCE: 5
220 cagggtgggac tcttgatcca g 21
223 <210> SEQ ID NO: 6
224 <211> LENGTH: 20
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial
228 <220> FEATURE:
229 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
231 <400> SEQUENCE: 6
232 agggttcctg gccgtgcagg 20
235 <210> SEQ ID NO: 7
236 <211> LENGTH: 18
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial
240 <220> FEATURE:
241 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
243 <400> SEQUENCE: 7
244 ccgcgctccc tcggctgc 18
247 <210> SEQ ID NO: 8
248 <211> LENGTH: 20
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial
252 <220> FEATURE:

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253 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
255 <400> SEQUENCE: 8
256 atattctctt tgtaatcagg                                20
259 <210> SEQ ID NO: 9
260 <211> LENGTH: 20
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial
264 <220> FEATURE:
265 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
267 <400> SEQUENCE: 9
268 aaaaatggca atcactcacc                                20
271 <210> SEQ ID NO: 10
272 <211> LENGTH: 20
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial
276 <220> FEATURE:
277 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
279 <400> SEQUENCE: 10
280 ccttctatga tttctcctag                                20
283 <210> SEQ ID NO: 11
284 <211> LENGTH: 20
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial
288 <220> FEATURE:
289 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
291 <400> SEQUENCE: 11
292 atccaaaggc aatacgtacc                                20
295 <210> SEQ ID NO: 12
296 <211> LENGTH: 20
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial
300 <220> FEATURE:
301 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
303 <400> SEQUENCE: 12
304 acagtgtttt atctttaagg                                20
307 <210> SEQ ID NO: 13
308 <211> LENGTH: 21
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial
312 <220> FEATURE:
313 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
315 <400> SEQUENCE: 13
316 gtaacattta ctacttactc g                                21
319 <210> SEQ ID NO: 14
320 <211> LENGTH: 20
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial
324 <220> FEATURE:
325 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.

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327 <400> SEQUENCE: 14
328 ccctgttcct tttaactagg                                20
331 <210> SEQ ID NO: 15
332 <211> LENGTH: 20
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial
336 <220> FEATURE:
337 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
339 <400> SEQUENCE: 15
340 ctcaggatca taatcactgc                                20
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345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial
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349 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
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352 ctgtgaattt tatacccagg                                20
355 <210> SEQ ID NO: 17
356 <211> LENGTH: 21
357 <212> TYPE: DNA
358 <213> ORGANISM: Artificial
360 <220> FEATURE:
361 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
363 <400> SEQUENCE: 17
364 gtattacttt ttccacttac c                                21
367 <210> SEQ ID NO: 18
368 <211> LENGTH: 20
369 <212> TYPE: DNA
370 <213> ORGANISM: Artificial
372 <220> FEATURE:
373 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
375 <400> SEQUENCE: 18
376 gactctcact gtcattgcag                                20
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380 <211> LENGTH: 20
381 <212> TYPE: DNA
382 <213> ORGANISM: Artificial
384 <220> FEATURE:
385 <223> OTHER INFORMATION: PCR primer based on Homo sapiens PKR.
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391 <210> SEQ ID NO: 20
392 <211> LENGTH: 624
393 <212> TYPE: DNA
394 <213> ORGANISM: Homo sapiens
396 <400> SEQUENCE: 20
397 ggatccagat ggcattgtcac agtatactaa atgctcactg aatccagctg caatgcagga    60
399 agactccct gatgtgatca tgtgtctcac cctttcaggc tgaaagcaac agtacagacg    120

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/511,415B

DATE: 07/11/2006
TIME: 11:00:56

Input Set : F:\20040873.ORI-2.txt
Output Set: N:\CRF4\07112006\J511415B.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,22,23,24,25,26,27,28,29,30

VERIFICATION SUMMARY

DATE: 07/11/2006

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Input Set : F:\20040873.ORI-2.txt

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